(19) **United States**

(12) **Patent Application Publication** (10) Pub. No.: **US 2018/0146089 A1**

RAUENBUEHLER et al. (43) Pub. Date: **May 24, 2018**

(54) **INTELLIGENT DIGITAL ASSISTANT FOR DECLINING AN INCOMING CALL**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Keith W. RAUENBUEHLER**, San Francisco, CA (US); **Ryan A. WILLIAMS**, Pickering (CA)

(21) Appl. No.: **15/789,570**

(22) Filed: **Oct. 20, 2017**

Related U.S. Application Data

(60) Provisional application No. 62/425,511, filed on Nov. 22, 2016.

Publication Classification

(51) **Int. Cl.**
H04M 3/42	(2006.01)
H04M 3/436	(2006.01)
H04M 1/725	(2006.01)

(52) **U.S. Cl.**
CPC *H04M 3/42365* (2013.01); *H04M 3/436* (2013.01); *H04M 1/72583* (2013.01); *H04M 3/42059* (2013.01); *H04M 2250/74* (2013.01); *H04M 2242/28* (2013.01); *H04M 1/72566* (2013.01); *H04M 1/72572* (2013.01); *H04M 3/42348* (2013.01)

(57) **ABSTRACT**

Systems and processes for operating a digital assistant are provided. In one example, a method includes receiving an incoming call. In response to receiving the incoming call, the method further includes obtaining one or more user-specific data items. The method further includes determining one or more user status options; and determining one or more confidence values associated with the one or more user status options. The method further includes in accordance with the determination of the one or more confidence values exceeding a predetermined threshold, providing a plurality of response options associated with declining the incoming call. The method further includes receiving a selection of a response option from the plurality of response options; and declining the call based on the selected response option.

1000

1002
1004 Receive an incoming call

The incoming call comprises an audio incoming call

1006

The incoming call comprises a video incoming call

1008

In response to receiving the incoming call, obtain one or more user-specific data items

1010
The one or more user-specific data items comprises contextual data

1012
The contextual data comprises user's location data

1014
The contextual data comprises the user's device operating mode status

1016
The contextual data comprises the user's communication status

1018
The contextual data comprises content accessible to the electronic device, wherein the content includes user-specific application content